

Docket No. AUS920030487US1

ABSTRACT OF THE DISCLOSURE

**METHOD AND APPARATUS FOR COUNTING INSTRUCTION AND MEMORY
LOCATION RANGES**

A method, apparatus, and computer instructions in a data processing system for processing instructions and monitoring accesses to memory location ranges. An instruction for execution is identified. A determination is made as to whether the instruction is within a contiguous range of instructions. Execution information relating to the instruction is identified if the instruction is within the contiguous range of instructions. With memory location accesses, an access to a memory location is identified. A determination of whether the memory location is within a contiguous range of memory locations is made. Access information is identified if the memory location is within the contiguous range of memory locations.